

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

PATENT CLAIMS

We claim:

1. (Currently amended) ~~Said A~~ flow rate limiter (~~DUR~~) with a ~~said~~ flow body (~~DUK~~), wherein the ~~said~~ flow body (~~DUK~~) is penetrated by at least one ~~said~~ channel (~~KAN~~), through which a fluid can flow, with a ~~said~~ an inlet port (~~EIN~~) and a ~~said~~ an outlet port (~~AUS~~) and is provided with at least one ~~said~~ gas channel (~~GKA~~) with a ~~said~~ gas intake (~~GAF~~) and a ~~said~~ gas outlet port (~~GUF~~) for a gas to be mixed with the fluid emerging from the ~~said~~ channel (~~KAN~~),

characterized in that wherein

a ~~said~~ an inlet funnel (~~ELT~~) is connected to the ~~said~~ inlet port (~~EIN~~).

2. (Currently amended) ~~Said The~~ flow rate limiter (~~DUR~~) in accordance with claim 1, ~~characterized in that wherein~~ the curvature of the ~~said~~ inlet funnel (~~ELT~~) corresponds to a curve $F(x) = C \cdot 1/x$.
3. (Currently amended) ~~Said The~~ flow rate limiter (~~DUR~~) in accordance with claim 1 ~~or 2~~, ~~characterized in that wherein~~ the at least one ~~said~~ channel (~~KAN~~) for the fluid and the at least one ~~said~~ gas outlet port (~~GUF~~) open into one plane.
4. (Currently amended) ~~Said The~~ flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 3~~ claim 1, ~~characterized in that wherein~~ the said at least one channel (~~KAN~~) has a circular cylindrical design and is arranged axially in the ~~said~~ flow body (~~DUK~~).
5. (Currently amended) ~~Said The~~ flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 4~~ claim 1; ~~characterized in that wherein~~ a ~~said~~ nonreturn valve (~~RUC~~) is arranged in the ~~said~~ gas channel (~~GKA~~).

6. (Currently amended) ~~Said~~ The flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 5~~ claim 1, characterized in ~~that~~ wherein the said-flow rate limiter (~~DUR~~) has at least one said-recess (~~AUN~~) for receiving magnetic, inorganic or organic materials.
7. (Currently amended) ~~Said~~ A mount (~~AUF~~) for limiting flow rate with a ~~said~~ an inlet port (~~INL~~) and a ~~said~~ an outlet port (~~OUT~~) for a fluid, wherein the said-inlet port (~~INL~~) has a larger cross section than the said-outlet port (~~OUT~~), characterized in ~~that~~ wherein the a said-flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 5~~ claim 1 is arranged between the said-inlet port (~~INL~~) and the said-outlet port (~~OUT~~).
8. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 7, characterized in ~~that~~ wherein the said-gas intake (~~GAF~~) of the said-flow rate limiter (~~DUR~~) is connected in the mounted state in alignment with a said-gas intake channel (~~GAS~~) of the said-mount (~~AUF~~).
9. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 7 ~~or 8~~, characterized in ~~that~~ wherein the said-at least one channel (~~KAN~~) for the fluid and the said-at least one gas outlet port (~~GUF~~) open into a said-mixing chamber (~~MIS~~) that is permeable in the flow direction.
10. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 9, characterized in ~~that~~ wherein the said-mixing chamber (~~MIS~~) has a truncated cone-shaped cross section.
11. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 9, characterized in ~~that~~ wherein the said-mixing chamber (~~MIS~~) has said-rounded shoulders (~~SUL~~), whose curvature corresponds to a curve $F(x) = C \cdot 1/x$.
12. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with ~~one of the claims 7 through 11~~ claim 7, characterized in ~~that~~ wherein the said-flow rate limiter (~~DUR~~) has at least one said-grooved section (~~NUT~~) on the said-outer surface (~~AMA~~).
13. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with ~~one of the claims 7 through 11~~ claim 7, characterized in ~~that~~ wherein the said-mount (~~AUF~~) has at least one said-grooved section on the said-inner surface (~~IMA~~).

14. (Currently amended) ~~Said~~ The mount ~~(AUF)~~ in accordance with ~~one of the claims 7 through 13~~ claim 7, characterized in ~~that~~ wherein the said outer surface ~~(OBE)~~ of the said mount ~~(AUF)~~ has a smooth design.
15. (Currently amended) ~~Said~~ The mount ~~(AUF)~~ in accordance with ~~one of the claims 7 through 14~~ claim 7, characterized in ~~that~~ wherein at least one said means ~~(MIT)~~ is provided for controlling the flow rate.
16. (Currently amended) ~~Mount~~ The mount in accordance with ~~one of the claims 7 through 15~~ claim 7, characterized in ~~that~~ wherein the said housing ~~(GEH)~~ has at least one said recess ~~(AUN)~~ in the area of the said outlet port ~~(OUT)~~ for receiving magnetic, inorganic or organic materials.
17. (Currently amended) ~~Mount~~ The mount in accordance with ~~one of the claims 6 through 15~~ claim 7, characterized in ~~that~~ wherein the said housing ~~(GEH)~~ has at least one said recess ~~(AUN)~~ in the area of the said flow rate limiter ~~(DUR)~~ for receiving magnetic, inorganic or organic materials.
18. (Currently amended) ~~Use~~ A use of a said flow rate limiter ~~(DUR)~~ in accordance with ~~one of the claims 1 through 6~~ claim 1 for mixing water as the fluid and air as the gas.
19. (Currently amended) ~~Process~~ A process for mixing at least one fluid with at least one gas, characterized in ~~that~~ wherein the flow rate of the at least one fluid is reduced and its flow rate is increased, and the fluid is swirled and then mixed with the at least one gas.
20. (Currently amended) ~~Process~~ The process in accordance with claim 19, characterized in ~~that~~ wherein water as fluid and air as gas are used.